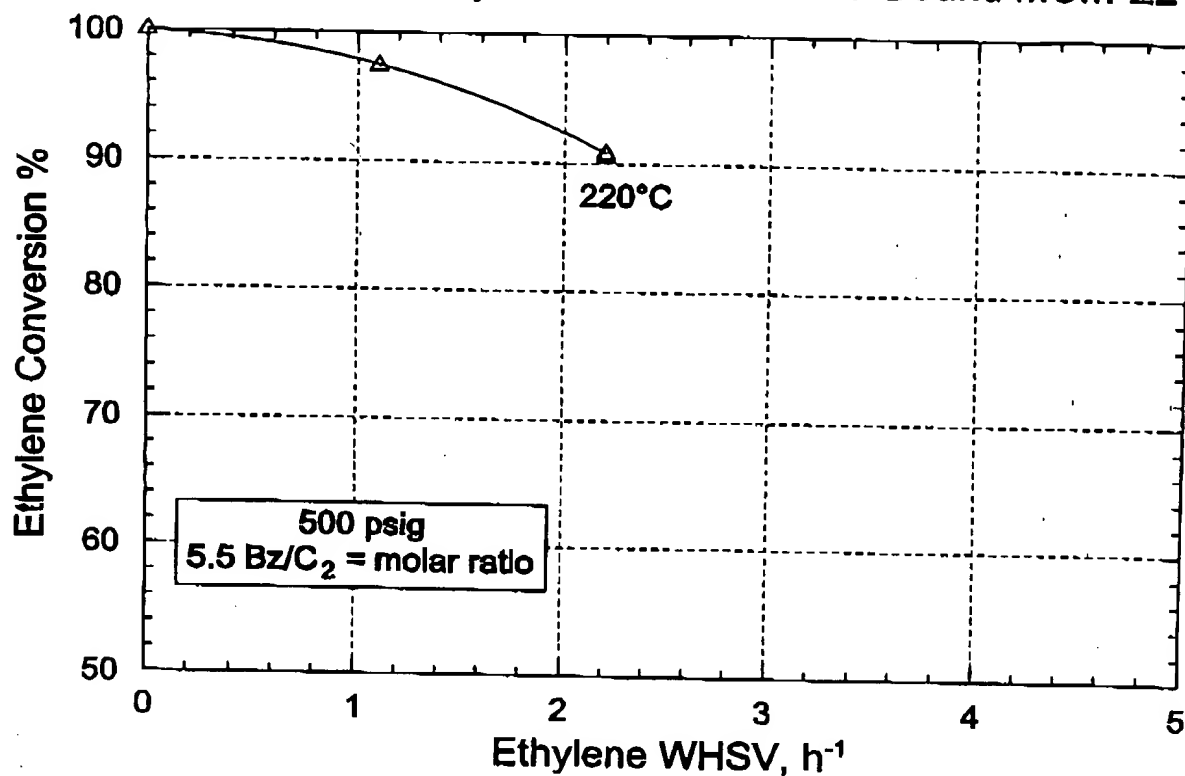
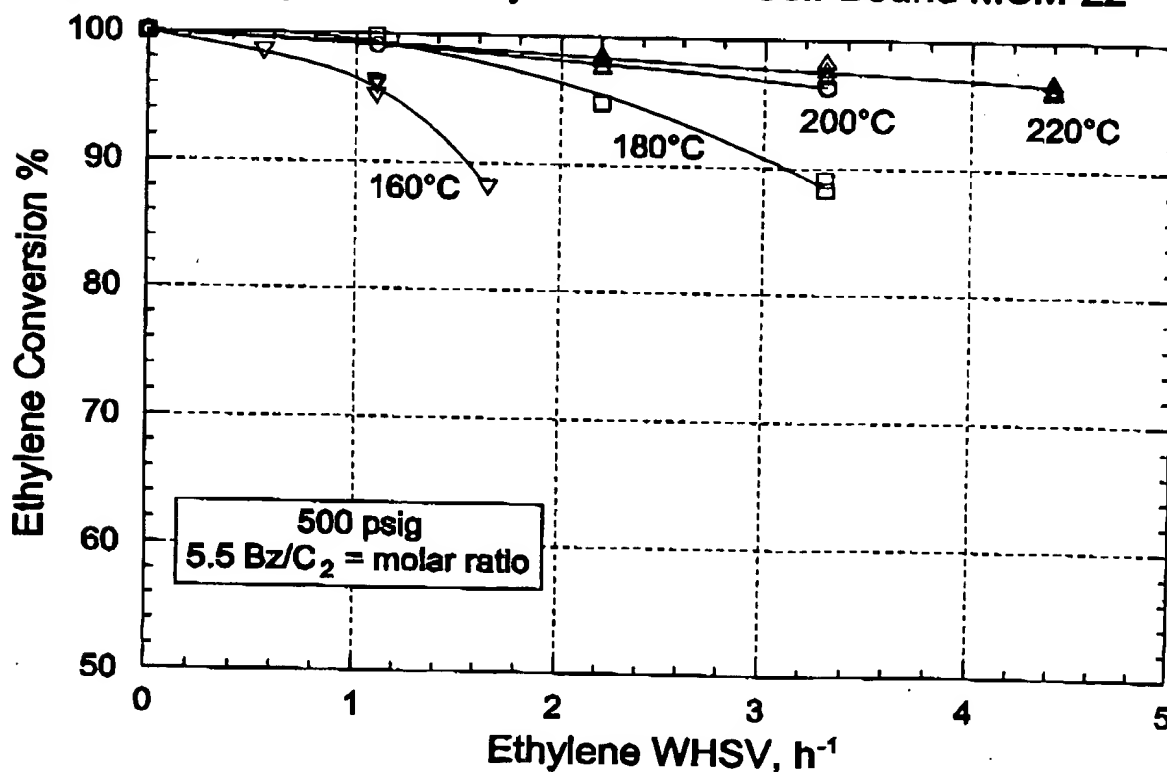
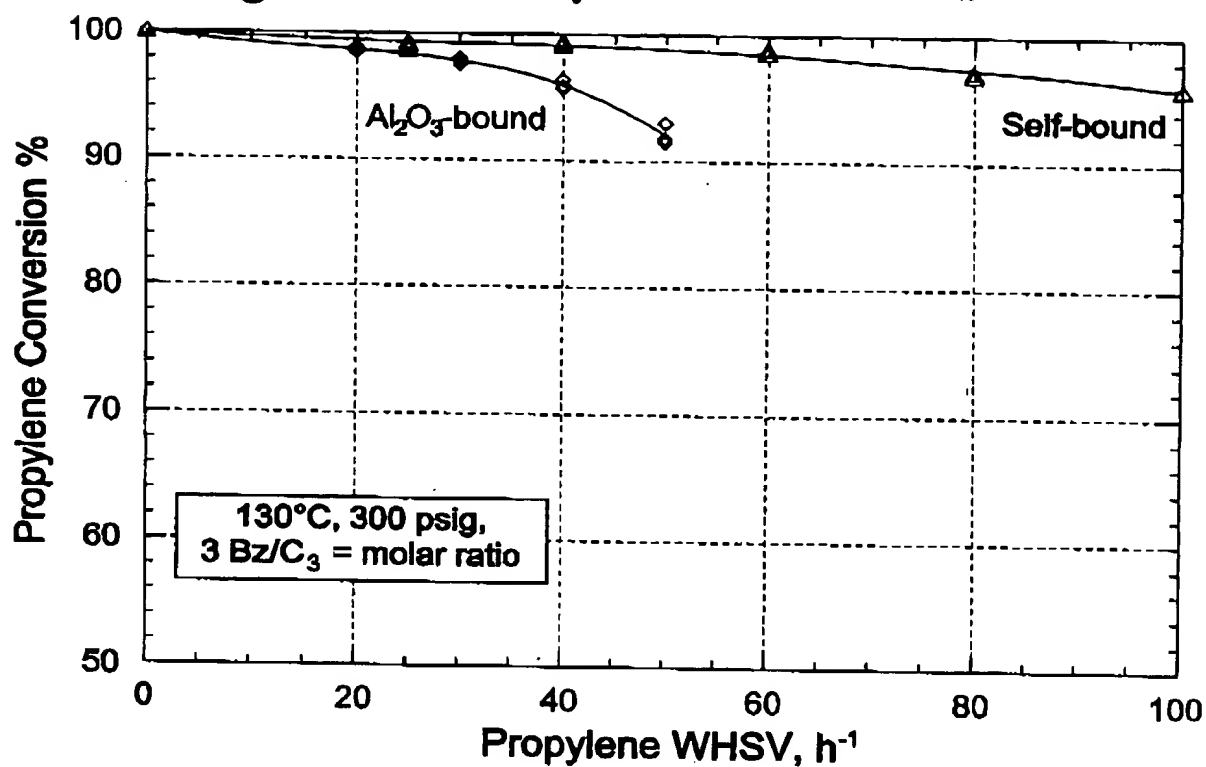
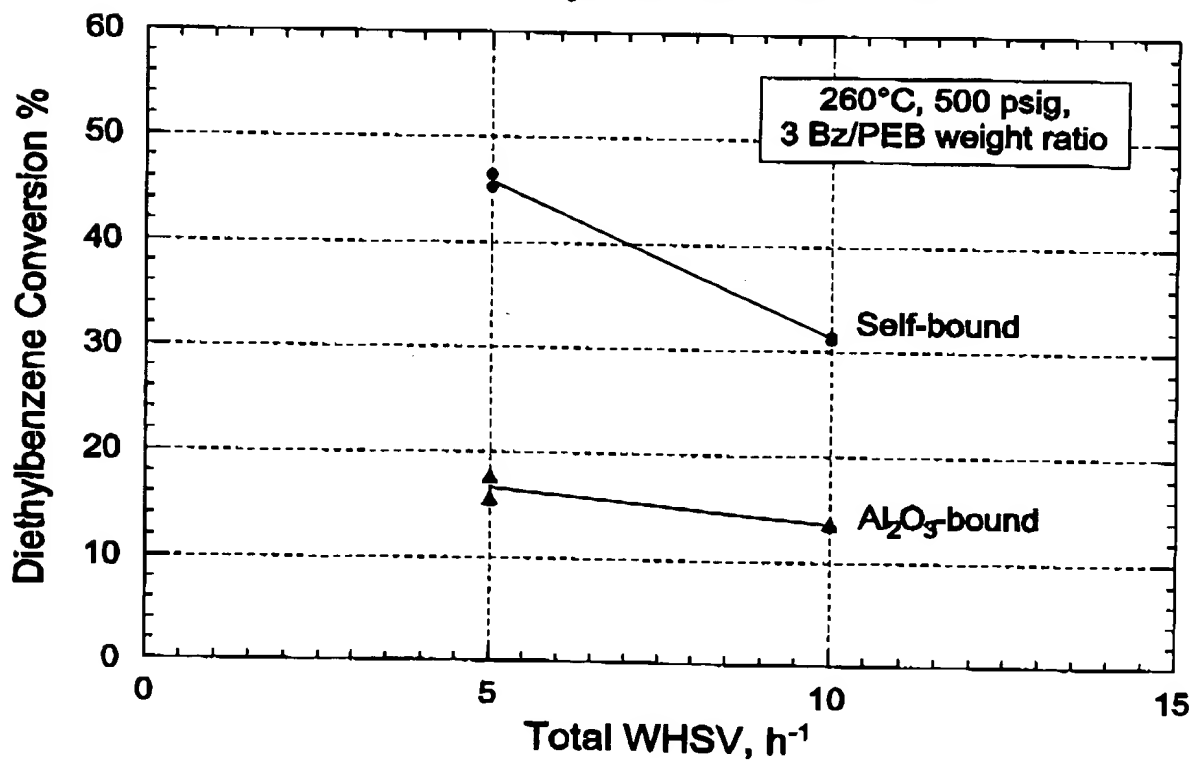


**Fig. 1 Ethylbenzene Synthesis with Alumina-Bound MCM-22**

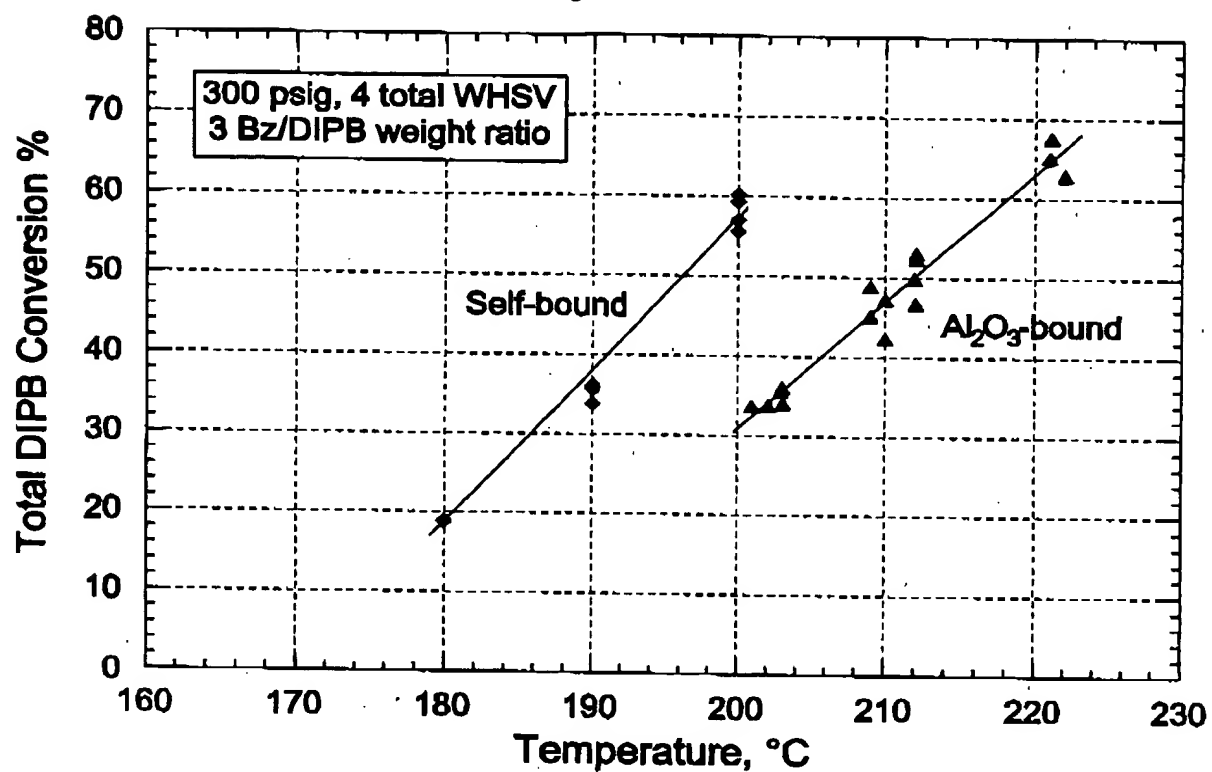


**Fig. 2 Ethylbenzene Synthesis with Self-Bound MCM-22**



**Fig. 3 Cumene Synthesis with MCM-22****Fig. 4 Ethylbenzene Synthesis via Benzene/PEB Transalkylation with MCM-22**

**Fig. 5** Cumene Synthesis via Benzene/DIPB  
Transalkylation with MCM-22



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